

Updated 09/753/c82

| L Number | Hits    | Search Text  | DB  | Time stamp          |
|----------|---------|--|---|---------------------|
| 1        | 4       | ((("5333308") or ("5349674")).PN.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:04 |
| 2        | 176099  | continuous\$6 with (detect\$6 or track\$6 or monitor\$6 or check\$6)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:25 |
| 3        | 12462   | (fail\$4 or error\$4 or problem\$ or fault\$4) with (continuous\$6 with (detect\$6 or track\$6 or monitor\$6 or check\$6))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:08 |
| 4        | 330     | (repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) with ((fail\$4 or error\$4 or problem\$ or fault\$4) with (continuous\$6 with (detect\$6 or track\$6 or monitor\$6 or check\$6)))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:34 |
| 5        | 49      | ((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) with ((fail\$4 or error\$4 or problem\$ or fault\$4) with (continuous\$6 with (detect\$6 or track\$6 or monitor\$6 or check\$6)))) with (file\$ or program\$ or function\$ or subroutine\$ or list\$6)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:33 |
| 6        | 82901   | (continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>17:02 |
| 7        | 4238633 | (file\$ or program\$ or function\$ or subroutine\$ or list\$6)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:33 |
| 8        | 3839026 | (repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:35 |
| 9        | 90      | ((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) with ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6)) with ((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:38 |

|    |       |   |   |                     |
|----|-------|---|---|---------------------|
| 10 | 54247 | ((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) near3 ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:46 |
| 11 | 17    | ((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) with (((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) near3 ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6)))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:41 |
| 12 | 27590 | ((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) adj3 ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:50 |
| 13 | 8     | ((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) with (((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) adj3 ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6)))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:53 |
| 14 | 59    | ((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) with ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6)) with ((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) not (((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) with (((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) near3 ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6)))) or (((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) with (((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) adj3 ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6)))) or (((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) with (((fail\$4 or error\$4 or problem\$ or fault\$4) with (continuous\$6 with (detect\$6 or track\$6 or monitor\$6 or check\$6)))) with (file\$ or program\$ or function\$ or subroutine\$ or list\$6))) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>17:08 |
| 15 | 10    | ("5349674") or ("4796206") or ("6427227") or ("6442605") or ("6151709")).PN.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>17:01 |

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|----|-------|--|---|---------------------|
| 16 | 0     | ("06and15").PN.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>17:01 |
| 17 | 0     | ((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) and (((("5349674") or ("4796206") or ("6427227") or ("6442605") or ("6151709"))).PN.)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>17:01 |
| 18 | 83055 | (oftent\$6 or continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>17:03 |
| 19 | 12    | ((("5333308") or ("5349674")).PN.) or (((("5349674") or ("4796206") or ("6427227") or ("6442605") or ("6151709"))).PN.)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>17:03 |
| 20 | 0     | ((oftent\$6 or continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) and (((("5333308") or ("5349674")).PN.) or (((("5349674") or ("4796206") or ("6427227") or ("6442605") or ("6151709"))).PN.)) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>17:04 |
| 21 | 1930  | 10.ti.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>17:07 |
| 22 | 4     | 10.ti. and ((oftent\$6 or continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>17:05 |
| 23 | 13112 | 10.ab.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>17:07 |
| 24 | 51    | 10.ab. and ((oftent\$6 or continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>17:07 |

|    |         |   |  |                             |
|----|---------|---|--|-----------------------------|
| 25 | 1528235 | <p>"51" not (((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) with (((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) near3 ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6)))) or (((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) with (((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) adj3 ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6)))) or (((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) with ((fail\$4 or error\$4 or problem\$ or fault\$4) with (continuous\$6 with (detect\$6 or track\$6 or monitor\$6 or check\$6)))) with (file\$ or program\$ or function\$ or subroutine\$ or list\$6)) or (((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) with ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6)) with ((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) )) not (((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) with (((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) near3 ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6)))) or (((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) with (((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) adj3 ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6)))) or (((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) with ((fail\$4 or error\$4 or problem\$ or fault\$4) with (continuous\$6 with (detect\$6 or track\$6 or monitor\$6 or check\$6)))) with (file\$ or program\$ or function\$ or subroutine\$ or list\$6))))</p> | <p>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT;<br/>IBM_TDB</p> | <p>2004/03/24<br/>17:08</p> |
|----|---------|---|--|-----------------------------|

|    |    |  |  |                             |
|----|----|--|--|-----------------------------|
| 26 | 44 | <p>(10.ab. and ((oftent\$6 or continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6))) not (((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) with (((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) near3 ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6)))) or (((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) with (((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) adj3 ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6)))) or (((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) with ((fail\$4 or error\$4 or problem\$ or fault\$4) with (continuous\$6 with (detect\$6 or track\$6 or monitor\$6 or check\$6)))) with (file\$ or program\$ or function\$ or subroutine\$ or list\$6)) or (((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) with ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6)) with ((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) )) not (((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) with (((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) near3 ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6)))) or (((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) with (((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) adj3 ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6)))) or (((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) with ((fail\$4 or error\$4 or problem\$ or fault\$4) with (continuous\$6 with (detect\$6 or track\$6 or monitor\$6 or check\$6)))) with (file\$ or program\$ or function\$ or subroutine\$ or list\$6))))</p> | <p>USPAT;<br/>US-PGPUB;<br/>EPO; JPO;<br/>DERWENT;<br/>IBM_TDB</p> | <p>2004/03/24<br/>17:08</p> |
|----|----|--|--|-----------------------------|

US-PAT-NO: 5576909

DOCUMENT-IDENTIFIER: US 5576909 A  
\*\*See image for Certificate of Correction\*\*

TITLE: Method for positioning a data transducer head in  
a rotating disk drive data storage device

----- KWIC -----

Claims Text - CLTX (1):

1. A method of controlling data track seeking and track following of a head in a data recording disk file having servo information of radially repetitive bands of a fixed number of uniquely identifiable concentric tracks either as continuous tracks on a dedicated servo disk surface or as sectors of tracks on a data disk surface or as a combination of continuous tracks on a dedicated servo disk surface and sectors of tracks on a data disk surface, said head for reading samples of said servo information during rotation of said disk, means for providing from said servo information a track number and a position error signal representative of a position of said head relative to a centerline of a nearest track, an actuator connected to said head by a support arm assembly said actuator, said data recording disk file having at least three sets of constants associated therewith representative of dynamics of said data recording disk file, wherein each set of said at least three sets of constants corresponds to a selected number of said tracks and said actuator is responsive to an input signal for positioning said head to a centerline of a target track during track seeking and maintaining the head over said centerline of said target track during track following, said method comprising the steps of:

Claims Text - CLTX (24):

19. A method of controlling data track seeking and track following of a head in a data recording disk file having servo information of radially repetitive bands of a fixed number of uniquely identifiable concentric tracks

either as continuous tracks on a dedicated servo disk surface or as sectors of tracks on a data disk surface or as a combination of continuous tracks on a dedicated servo disk surface and sectors of tracks on a data disk surface, said head for reading samples of said servo information during rotation of said disk, means for providing from said servo information a track number and a position error signal representative of a position of said head relative to a centerline of a nearest track, an actuator connected to said head by a support arm assembly said actuator, said data recording disk file having at least three sets of constants associated therewith representative of dynamics of said data recording disk file, wherein each set of said at least three sets of constants corresponds to a selected number of said tracks and said actuator is responsive to an input signal for positioning said head to a centerline of a target track during track seeking and maintaining the head over said centerline of said target track during track following, said method comprising the steps of:

US-PAT-NO: 4527271

DOCUMENT-IDENTIFIER: US 4527271 A

TITLE: Process control system with improved fault isolation

----- KWIC -----

Brief Summary Text - BSTX (7):

One way of troubleshooting such failures is to continuously run diagnostic programs when a failure is detected and sequentially remove each module from its assigned area in the nest to see which one causes the problem to disappear. This can be a time consuming procedure because of the necessity of removing the module from its connection to the bus backplane, which in some cases involves unscrewing and disconnecting field terminations to permit physical separation of the module connector from the bus. Removal of the module from its connector housing area in this manner also would result in loss of field signal value. Additionally the possibility exists of transferring erroneous control data to the I/O modules during the connect/disconnect process outlined above.



DERWENT-ACC-NO: 1992-259453

DERWENT-WEEK: 199232

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TITLE: Fault tolerant computer system - uses controller  
signals independent of host to automatically re-allocate  
simulation of when transmission line fails and allows  
failed host

INVENTOR: FINLAY, F

PATENT-ASSIGNEE: I P TECHNOLOGIES LTD(IPTEN) , IP TECHNOLOGIES  
LTD(IPTEN)

PRIORITY-DATA: 1992BE-0000046 (January 17, 1992) , 1991GB-0027552  
(December 31,  
1991)

PATENT-FAMILY:

| PUB-NO         | PUB-DATE       | LANGUAGE |     |
|----------------|----------------|----------|-----|
| PAGES MAIN-IPC |                |          |     |
| BE 1003773 A7  | June 9, 1992   | N/A      | 015 |
| G06F 000/00    |                |          |     |
| GB 2262999 A   | July 7, 1993   | N/A      | 020 |
| G06F 011/00    |                |          |     |
| GB 2262999 B   | April 26, 1995 | N/A      | 004 |
| G06F 011/00    |                |          |     |

APPLICATION-DATA:

| PUB-NO            | APPL-DESCRIPTOR | APPL-NO        |
|-------------------|-----------------|----------------|
| APPL-DATE         |                 |                |
| BE 1003773A7      | N/A             | 1992BE-0000046 |
| January 17, 1992  |                 |                |
| GB 2262999A       | N/A             | 1991GB-0027552 |
| December 31, 1991 |                 |                |
| GB 2262999B       | N/A             | 1991GB-0027552 |
| December 31, 1991 |                 |                |

INT-CL (IPC): G06F000/00, G06F011/00

ABSTRACTED-PUB-NO: BE 1003773A

BASIC-ABSTRACT:

The system has a central computer (2) with several remote terminals.  
The  
computer has a fixed disc unit (4) storing data and programs to  
simulate the  
central computer, and data transmission circuits (13,14).

A controller (12) independent of the central computer is connected to

the  
transmission circuits, and permanently monitors them. If a connection  
fails  
the signal is automatically redirected. If the central computer is  
isolated  
the simulation program is automatically located and run.

USE/ADVANTAGE - For e.g. hotel book system. Improved operational  
reliability  
in systems linking terminals to central computer.

ABSTRACTED-PUB-NO: GB 2262999B

EQUIVALENT-ABSTRACTS:

A fault tolerant processing apparatus comprising:- fixed disk drive  
means  
storing transaction data and host processor simulation programs; a user  
interface; a communications circuit having means for generating,  
transmitting,  
and receiving communications signals for a remote host processor via a  
modem;  
an off-host controller connected to the communications circuit, and  
comprising:- a communication link status switch settable between  
online,  
offline, and recovery states; means for continuously monitoring the  
communications circuit; means for automatically directing generation of  
signals  
for re-connection with the host processor if the link fails; means for  
setting  
the switch to the offline state and means for retrieving the host  
processor  
simulation programs when the link fails; means for setting the switch  
to the  
recovery state and means for directing generation and transmission of  
trickle  
feed data signals to the host processor when the link is reestablished;  
and  
means for setting the switch to the online state if the link is  
established and  
all necessary data has been trickle fed to the host processor; and a  
local  
processor connected to the fixed disk drive, to the user interface and  
to the  
off-host controller, the local processor comprising:- means for  
carrying out  
real-time processing operations in communication with the host  
processor via  
the communication circuit while the switch of the off-host controller  
is at the  
online state; and means for carrying out processing operations on the  
transaction data according to the retrieved host processor simulation  
programs  
while the switch is at the offline or recovery states and directing  
capture of  
the corresponding output signals in a capture file stored on the fixed  
disk  
drive means, said captured data being for trickle feeding to the host

processor.

CHOSEN-DRAWING: Dwg.1/1 Dwg.1

TITLE-TERMS: FAULT TOLERATE COMPUTER SYSTEM CONTROL INDEPENDENT HOST  
AUTOMATIC

ALLOCATE SIGNAL TRANSMISSION LINE FAIL ALLOW SIMULATE FAIL  
HOST

DERWENT-CLASS: T01

EPI-CODES: T01-G03; T01-G05C; T01-J05A2;

SECONDARY-ACC-NO:

Non-CPI Secondary Accession Numbers: N1992-198625

| L Number | Hits    | Search Text  | DB  | Time stamp          |
|----------|---------|--|---|---------------------|
| 1        | 4       | (("5333308") or ("5349674")).PN.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:04 |
| 2        | 176099  | continuous\$6 with (detect\$6 or track\$6 or monitor\$6 or check\$6)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:25 |
| 3        | 12462   | (fail\$4 or error\$4 or problem\$ or fault\$4) with (continuous\$6 with (detect\$6 or track\$6 or monitor\$6 or check\$6))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:08 |
| 4        | 330     | (repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) with ((fail\$4 or error\$4 or problem\$ or fault\$4) with (continuous\$6 with (detect\$6 or track\$6 or monitor\$6 or check\$6)))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:34 |
| 5        | 49      | ((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) with ((fail\$4 or error\$4 or problem\$ or fault\$4) with (continuous\$6 with (detect\$6 or track\$6 or monitor\$6 or check\$6)))) with (file\$ or program\$ or function\$ or subroutine\$ or list\$6)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:33 |
| 6        | 82901   | (continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:30 |
| 7        | 4238633 | (file\$ or program\$ or function\$ or subroutine\$ or list\$6)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:33 |
| 8        | 3839026 | (repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:35 |
| 9        | 90      | ((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) with ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6)) with ((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:38 |

|    |       |   |   |                     |
|----|-------|---|---|---------------------|
| 10 | 54247 | ((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) near3 ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6))  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:40 |
| 11 | 17    | ((continuous\$6 or frequent\$6 or concurrent\$6 or contiguous\$4) adj3 (detect\$6 or track\$6 or monitor\$6 or check\$6)) with (((repair\$6 or fix\$4 or heal\$4 or troubleshoot\$4) ) near3 ( (file\$ or program\$ or function\$ or subroutine\$ or list\$6))) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/03/24<br>16:40 |

US-PAT-NO: 4677609

DOCUMENT-IDENTIFIER: US 4677609 A  
\*\*See image for Certificate of Correction\*\*

TITLE: Semi-automated directory assistance systems

----- KWIC -----

Detailed Description Text - DETX (49):

The operator's position consists of a terminal, a work station, a chair, and the operator's headset. In the DAS/C application a separate terminal, used to access the directory listing database, is also part of the position. The work station is adjustable to allow operators to work comfortably while sitting or standing. Since all the position electronics are in the terminals, customers can choose to provide their own work stations and chairs. Two types of terminals are available; a Basic Services Terminal (BST) for ACD applications such as DA and a Video Display Terminal (VDT) for T&A applications. Both terminals use continuous checks provided by fault-detection circuitry and manually initiated functional tests to provide a diagnostic and repair capability.

US-PAT-NO: 6324450

DOCUMENT-IDENTIFIER: US 6324450 B1

TITLE: Mobile object information recording apparatus

----- KWIC -----

Brief Summary Text - BSTX (7):

The memory to be disposed in such drive recorder includes both an endless storage area for temporarily storing the mobile object information continuously detected by the detection devices during movement of the object and a fixed file area for storing the mobile object information with a particular period of time around the moment at which an accident occurs.

# MLE\_Job\_1\_of\_1

Printed by HPS Server  
for

**EAST**

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Printer: cpk2\_2c21\_gblprtr

Date: 03/25/04

Time: 12:16:51

## Document Listing

| Document    | Selected Pages | Page Range | Copies |
|-------------|----------------|------------|--------|
| US006640317 | 14             | 1 - 14     | 1      |
| US006543007 | 16             | 1 - 16     | 1      |
| US005933641 | 10             | 1 - 10     | 1      |
| US005870410 | 7              | 1 - 7      | 1      |
| Total (4)   | 47             | -          | -      |